للصناعات البلاستيكية

أرامكو

ARAMCO
Plastic Industries

أرامكو
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شركة أرامكو للصناعات البلاستيكية

هي شركة مصرية متخصصة في منتجات البولي ايثيلين HDPE وال UPVC ، وتقع في مدينة العاشر من رمضان بمحافظة الشرقية.

تأسست الشركة في عام 2020، ومنذ ذلك الحين أصبحت واحدة من أبرز الشركات المصنعة لقطع البولي إيثيلين في مصر.

- تنتج الشركة مجموعة واسعة من قطع البولي إيثيلين، بما في ذلك:

الأكواع - المشتركات - المساليب - بردات

- تبدأ أحجام قطع البولي إيثيلين التي تنتجها الشركة من 32 مم إلى 1600 مم.
- تتعامل الشركة مع أكبر الشركات المنفذة للمشاريع في جميع أنحاء مصر،

الضبعة - العاصمة الإدارية - توشكي - العلمين - مستقبل مصر - الجلالة

- تتمتع الشركة بسمعة طيبة في السوق المصري، وتتميز بمنتجاتها العالية الجودة وأسعارها التنافسية, تسعى الشركة إلى أن تكون رائدة في صناعة البلاستيك في مصر، وتعمل على تحقيق هذه الغاية من خلال التركيز على الجودة والابتكار والمسؤولية الاجتماعية.
- فيما يلي بعض الأنواع الأكثر شيوعًا من وصلات البولي

- إيثيلين:

- الكوع : يستخدم لتغيير اتجاه مسار الأنبوب، عادة بزاوية 90 درجة أو 45 درجة.
  - المشترك: يستخدم لتفرع الأنبوب في ثلاثة اتجاهات أو أربع إتجاهات .
  - الوصلات: تستخدم لربط طولين من الأنابيب من طرف إلى طرف.
  - البردة بالفلانشة: تشبه أدوات التوصيل، ولكنها تسمح بتفكيك الاتصال بسهولة.
  - المسلوب: يستخدم للانتقال بين الأنابيب بأقطار مختلفة.
  - الطبة: تستخدم لإغلاق نهاية الأنبوب.

توفر تجهيزات HDPE العديد من المزايا مقارنة بالأنواع الأخرى من التركيبات، مثل:

- المتانة : HDPE عبارة عن مادة قوية ومرنة يمكنها تحمل الظروف القاسية والضغط العالي.
- مقاومة التآكل: HDPE مقاوم للتآكل الناتج عن معظم المواد الكيميائية والمياه المالحة.
- مقاومة التسرب: تعمل تركيبات HDPE على إنشاء ختم محكم مع أنابيب HDPE، مما يقلل من خطر التسربات.
- خفيفة الوزن: HDPE أخف بكثير من التركيبات المعدنية، مما يجعلها أسهل في التعامل معها وتركيبها.
- المرونة: تتمتع بعض تركيبات HDPE بدرجة من المرونة، والتي يمكن أن تكون مفيدة لاستيعاب الأنابيب غير المحاذاة أو الحركة الأرضية.
- يتم استخدام تجهيزات HDPE في مجموعة واسعة من التطبيقات، بما في ذلك:
  - المياه : لكل من خطوط إمداد المياه الساخنة والباردة، وكذلك خطوط الصرف الصحي.
  - الحريق : يتسخدم HDPE فى تحمل الضغوط العالية لطلمبات الحريق وعمر افتراضي مقارنة بالمواسير السملس المدفونة
  - الري: لأنظمة الرش وأنظمة الري بالتنقيط.
  - توزيع الغاز: لخطوط الغاز الطبيعي .
  - التطبيقات الصناعية: لنقل المواد الكيميائية والسوائل الأخرى.

CERTIFICATES

HDPE PIPES PE 100 ACCORDING TO GERMAN STANDARD DIN 8074/8075

SDR(D/S)	SDR 41			SDR 26			SDR 21			SDR 17			SDR 13.6			SDR 11			SDR 9		
Working pressure(bar)	PN 4			PN 6			PN 8			PN 10			PN 12.5			PN 16			PN 20		
DN (mm)	S (mm)	I.D (mm)	Weight Kg/m	s (mm)	I.D (mm)	Weight Kg/m	S (mm)	I.D (mm)	weight Kg/m	s (mm)	I.D (mm)	weight kg/m	s (mm)	I.D (mm)	weight kg/m	s (mm)	I.D (mm)	weight kg/m	s (mm)	I.D (mm)	weight kg/m
20	-		-	-		-	-		-	-		-	1.8	16.4	0.107	1.9	16.2	0.112	2.3	15.4	0.133
25	-		-	-		-	-		-	1.8	21.4	0.137	1.9	21.2	0.144	2.3	20.4	0.171	2.8	19.4	0.200
32	-		-	-		-	-		-	1.9	28.2	0.187	2.4	27.2	0.232	2.9	26.2	0.272	3.6	24.8	0.327
40	-		-	1.8	36.4	0.227	1.9	36.2	0.239	2.4	35.2	0.295	3.0	34	0.356	3.7	32.6	0.430	4.5	31	0.509
50	-		-	2.0	46	0.314	2.4	45.2	0.374	3.0	44	0.453	3.7	42.6	0.549	4.6	40.8	0.666	5.6	38.8	0.788
63	1.8	59.4	0.364	2.5	58	0.494	3.0	57	0.580	3.8	55.4	0.721	4.7	53.6	0.873	5.8	51.4	1.050	7.1	48.8	1.260
75	1.9	71.2	0.457	2.9	69.2	0.675	3.6	67.8	0.828	4.5	66	1.020	5.6	63.8	1.240	6.8	61.4	1.470	8.4	58.2	1.760
90	2.2	85.6	0.643	3.5	83	0.978	4.3	81.4	1.180	5.4	79.2	1.460	6.7	76.6	1.770	8.2	73.6	2.120	10.1	69.8	2.540
110	2.7	104.6	0.943	4.2	101.6	1.430	5.3	99.4	1.770	6.6	96.8	2.170	8.1	93.8	2.620	10.0	90	3.140	12.3	85.4	3.780
125	3.1	118.8	1.230	4.8	115.4	1.840	6.0	113	2.270	7.4	110.2	2.760	9.2	106.6	3.370	11.4	102.2	4.080	14.0	97	4.870
140	3.5	133	1.540	5.4	129.2	2.320	6.7	126.6	2.830	8.3	123.4	3.460	10.3	119.4	4.220	12.7	114.6	5.080	15.7	108.6	6.110
160	4.0	152	2.000	6.2	147.6	3.040	7.7	144.6	3.720	9.5	141	4.520	11.8	136.4	5.500	14.6	130.8	6.670	17.9	124.2	7.960
180	4.4	171.2	2.490	6.9	166.2	3.790	8.6	162.8	4.670	10.7	158.6	5.710	13.3	153.4	6.980	16.4	147.2	8.420	20.1	139.8	10.100
200	4.9	190.2	3.050	7.7	184.6	4.690	9.6	180.8	5.780	11.9	176.2	7.050	14.7	170.6	8.560	18.2	163.6	10.400	22.4	155.2	12.400
225	5.5	214	3.860	8.6	207.8	5.890	10.8	203.4	7.300	13.4	198.2	8.930	16.6	191.8	10.900	20.5	184	13.100	25.2	174.6	15.800
250	6.2	237.6	4.830	9.6	230.8	7.300	11.9	226.2	8.930	14.8	220.4	11.000	18.4	213.2	13.400	22.7	204.6	16.200	27.9	194.2	19.400
280	6.9	266.2	5.980	10.7	258.6	9.100	13.4	253.2	11.300	16.6	246.8	13.700	20.6	238.8	16.800	25.4	229.2	20.300	31.3	217.4	24.300
315	7.7	299.6	7.520	12.1	290.8	11.600	15.0	285	14.200	18.7	277.6	17.400	23.2	268.6	21.200	28.6	257.8	25.600	35.2	244.6	30.800
355	8.7	337.6	9.550	13.6	327.8	14.600	16.9	321.2	18.000	21.1	312.8	22.100	26.1	302.8	26.900	32.2	290.6	32.500	39.7	275.6	39.100
400	9.8	380.4	12.100	15.3	369.4	18.600	19.1	361.8	22.900	23.7	352.6	28.000	29.4	341.2	34.100	36.3	327.4	41.300	44.7	310.6	49.600
450	11	428	15.300	17.2	415.6	23.500	21.5	407	28.900	26.7	396.6	35.400	33.1	383.8	43.200	40.9	368.2	52.300	50.3	349.4	62.700
500	12.13	475.74	19.000	19.1	461.8	28.900	23.9	452.2	35.700	29.7	440.6	43.800	36.8	426.4	53.300	45.4	409.2	64.500	55.8	388.4	77.300
560	13.7	532.6	23.600	21.4	517.2	36.200	26.7	506.6	44.700	33.2	493.6	54.800	41.2	477.6	66.900	50.8	458.4	80.800	62.5	435	97.000
630	15.4	599.2	29.900	24.1	581.8	45.900	30.0	570	56.400	37.4	555.2	69.400	46.3	537.4	84.600	57.2	515.6	102.000	-		-
710	17.4	675.2	38.000	27.2	655.6	58.400	33.9	642.2	71.800	42.1	625.8	88.100	52.2	605.6	107.000	64.5	581	130.000	-		-
800	19.6	760.8	48.100	30.6	738.8	73.900	38.1	723.8	91.100	47.4	705.2	112.000	58.8	682.4	136.000	72.7	654.6	159.350	-		-
900	22.0	856	60.900	34.4	831.2	93.400	42.9	814.2	115.000	53.3	793.4	141.000	66.1	767.8	172.000	-		-	-		-
1000	24.5	951	75.200	38.2	923.6	115.000	47.7	904.6	142.000	59.3	881.4	175.000	73.5	853	203.000	-		-	-		-
1100	26.8	1046.4	86.000	42.3	1015.4	134.000	52.4	995.2	164.000	64.7	970.6	200.000	80.0	940	244.000	-		-	-		-
1200	29.4	1141.2	108.000	45.9	1108.2	166.000	57.2	1085.6	205.000	70.6	1058.8	250.000	-		-	-		-	-		-

FITTINGS

The Convenient Piping Solutions

FITTINGS

- BUTT FUSION FITTINGS :

We have all kinds of butt fusion fittings including, but not limited to, Elbows, Equal Tees, Reduced Tees, Cross Tees, Flange Adaptors, Caps, and Reducers.

- ELECTROFUSION COUPLERS :

Electro fusion Coupler is from Ø32 [mm] up to Ø315 [mm] nominal diameter

INJECTION :

We have all kinds of butt fusion fittings including, but not limited to, Elbows, Equal Tees, Reduced Tees, Cross Tees, Flange Adaptors, Caps, and Reducers.

FABRICATED :

Elbows, Equal Tees, Reduced Tees, Cross Tees, Cross Reduced Tees, Equal Tee Special Degree, Reduced Tee Special Degree...

- TRANSITION FITTINGS :

PE – Brass Transition Piece (Male/Female Threaded) Range: 32mm – 90mm

- FLANGES - HDPE FLANGE :

Flanges are fully made of Polyethylene is from 32mm up to 1200mm.

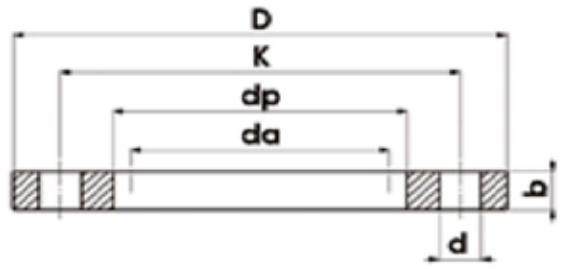
- STEEL FLANGE :

Flanges are fully made of Steel Flange is from 32mm up to 1200mm

FLANGES

SDR11 / DIN 2501 ST 37-ST 44

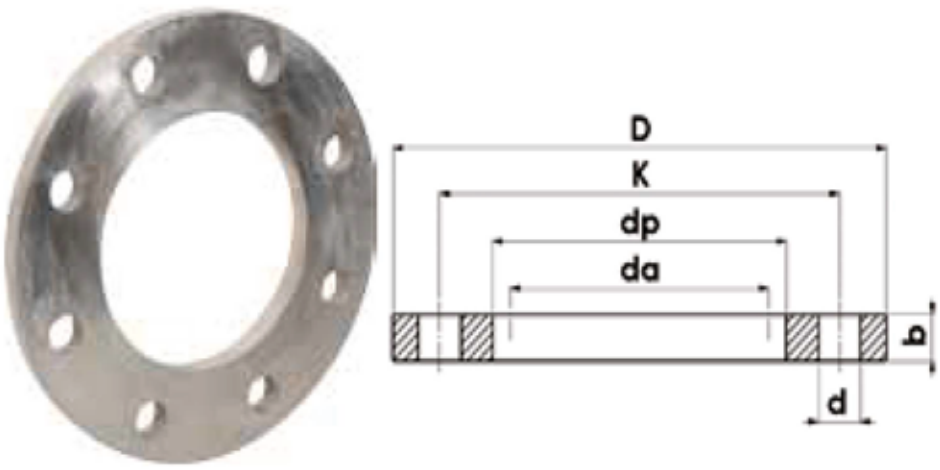
Steel Flange PN 16



Standart: TS ISO 7005-1 • TS EN 1092-1 + A1

Steel Nominal Diameter	PE Nomina Diameter	Inner Diameter	Hole Distance	Outside Diameter	Hole Diameter	Flange Thickness	Hole Qty	Weight (kg)
DN	da(mm)	dp(mm)	K(mm)	D(mm)	d(mm)	b(mm)		
15	20	28	65	95	14	14	4	0,650
20	25	34	75	105	14	16	4	0,900
25	32	42	85	115	14	16	4	1,060
32	40	51	100	140	18	16	4	1,550
40	50	62	110	150	18	16	4	1,720
50	63	78	125	165	18	18	4	2,210
65	75	92	145	185	18	18	4	2,720
80	90	108	160	200	18	20	8	3,180
100	110	125	180	220	18	20	8	3,730
100	125	135	180	220	18	20	8	3,410
125	140	158	210	250	18	22	8	4,750
150	160	178	240	285	22	22	8	6,210
150	180	188	240	285	22	22	8	5,710
200	200	235	295	340	22	24	12	8,090
200	225	238	295	340	22	24	12	7,880
250	250	288	355	405	26	26	12	11,720
250	280	294	355	405	26	26	12	11,160
300	315	338	410	460	26	28	12	15,440
350	355	376	470	520	26	30	16	21,920
400	400	430	525	580	30	32	16	27,110
450	450	465	585	640	30	34	20	36,850
500	500	533	650	715	33	34	20	43,150
600	560	618	770	840	36	36	20	66,240
600	630	645	770	840	36	36	20	58,660
700	710	740	840	910	36	36	24	55,490
800	800	843	950	1025	39	38	24	71,270
900	900	947	1050	1125	39	40	28	80,640
1000	1000	1050	1170	1255	42	42	28	109,830
1200	1200	1250	1390	1485	48	48	32	168,790

FLANGES



SDR17 / DIN 2501 ST 37-ST 44

Steel Flange PN 10

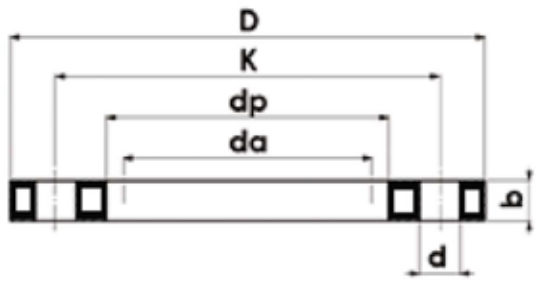
Standart: TS ISO 7005-1 • TS EN 1092-1 + A1

Steel Nominal Diameter	PE Nominal Diameter	Inner Diameter	Hole Distance	Outside Diameter	Hole Diameter	Flange Thickness	Hole Qty	Weight (kg)
DN	da(mm)	dp(mm)	K(mm)	D(mm)	d(mm)	b(mm)		
200	200	235	295	340	22	24	8	8,380
200	225	238	295	340	22	24	8	8,170
250	250	288	350	395	22	26	12	10,810
250	280	294	350	395	22	26	12	10,250
300	315	338	400	445	22	26	12	12,530
350	355	376	460	505	22	26	16	17,020
400	400	430	515	565	26	26	16	19,850
450	450	465	565	615	26	28	20	25,690
500	500	533	620	670	26	28	20	26,180
600	560	618	725	780	30	28	20	36,070
600	630	645	725	780	30	28	20	30,170
700	710	740	840	895	30	30	24	42,980
800	800	843	950	1015	33	32	24	58,030
900	900	947	1050	1115	33	34	28	66,380
1000	1000	1050	1160	1230	36	34	28	78,610
1200	1200	1250	1380	1455	39	38	32	118,790

FLANGES

SDR11 / DIN 2501 ST 37-ST 44

PP Covered Steel Flange PN 16 (%30 Fiber Glass)



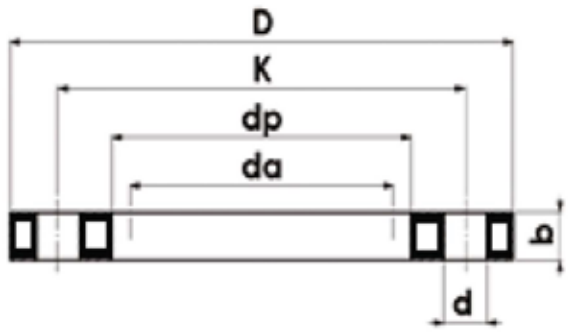
Standart: TS ISO 7005-1 • TS EN 1092-1 + A1

Steel Nominal Diameter	PE Nominal Diameter	Inner Diameter	Hole Distance	Outside Diameter	Hole Diameter	Flange Thickness	Hole Qty	Weight (kg)
DN	da(mm)	dp(mm)	K(mm)	D(mm)	d(mm)	b(mm)		
(*)15	20	29	65	95	14	15	4	0,625
(*)20	25	34	75	102	14	15	4	0,720
25	32	42	85	115	14	16	4	0,405
32	40	51	100	140	18	16	4	0,590
40	50	62	110	150	18	16	4	0,660
50	63	78	125	165	18	18	4	0,880
65	75	92	145	185	18	18	4	1,500
80	90	108	160	200	18	20	8	1,565
100	110	125	180	220	18	20	8	1,700
100	125	135	180	220	18	20	8	1,380
125	140	158	210	250	18	22	8	1,950
150	160	178	240	285	22	22	8	3,000
150	180	188	240	285	22	22	8	2,250
200	200	235	295	340	22	26	12	4,350
200	225	235	295	340	22	26	12	4,350
250	250	288	355	405	26	29	12	5,050
250	280	294	355	405	26	29	12	4,750
300	315	338	410	460	26	31	12	6,650
350	355	376	470	532	26	40	16	19,500
400	400	430	525	592	30	43	16	25,000
450	450	465	585	640	30	45	20	32,650
500	500	533	650	715	33	45	20	35,750
600	560	618	770	840	36	48	20	57,700
600	630	645	770	840	36	48	20	50,000

FLANGES

SDR17 / DIN 2501 ST 37-ST 44

PP Covered Steel Flange PN 10 (%30 Fiber Glass)



Standart: TS ISO 7005-1 • TS EN 1092-1 + A1

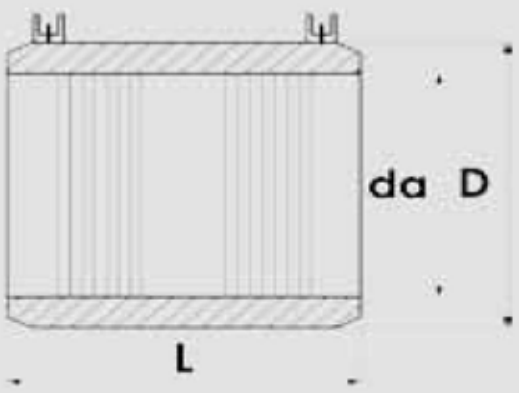
Steel Nominal Diameter	PE Nominal Diameter	Inner Diameter	Hole Distance	Outside Diameter	Hole Diameter	Flange Thickness	Hole Qty	Weight (kg)
DN	da(mm)	dp(mm)	K(mm)	D(mm)	d(mm)	b(mm)		
200	200	235	295	340	22	26	8	3,600
200	225	235	295	340	22	26	8	3,600
250	250	288	350	395	22	29	12	4,600
250	280	294	350	395	22	29	12	4,200
300	315	338	400	445	22	29	12	5,500
350	355	376	460	514	22	38	16	14,650
400	400	430	515	571	26	40	16	17,250
450	450	465	565	615	26	40	20	21,550
500	500	533	620	670	26	40	20	23,500
600	560	618	725	788	30	43	20	32,500
600	630	645	725	788	30	43	20	33,300

ELECTROFUSION COUPLER

PE 100 SDR 11(PN16) & SDR 17(PN10)

EF Coupler

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1



Size (mm)	Pressure(Bar)	(mm)	(mm)	Weight (kg)
d		D	L	
20	PN 10-PN 16	31	68	0,031
25	PN 10-PN 16	36	71	0,039
32	PN 10-PN 16 PN 20	43	72	0,052
40	PN 10-PN 16 PN 20	53	80	0,075
50	PN 10-PN 16 PN 20	65	87	0,114
63	PN 10-PN 16 PN 20	80	95	0,170
75	PN 10-PN 16 PN 20	95	110	0,256
90	PN 10-PN 16	110	122	0,385
	PN 20-PN 25	110	125	0,542
110	PN 10-PN 16	133	143	0,555
	PN 20-PN 25	135	145	0,842
125	PN 10-PN 16	152	157	0,790
	PN 20-PN 25	145	155	1,054
140	PN 10-PN 16	163	165	0,890
	PN 20-PN 25	165	160	1,394
160	PN 10-PN 16	195	175	1,360
	PN 20-PN 25	190	185	1,944
180	PN 10-PN 16	218	192	1,850
	PN 20-PN 25	235	200	3,808
200	PN 10-PN 16	245	206	2,900
	PN 20-PN 25	270	220	5,750
225	PN 10-PN 16	273	222	3,700
	PN 20-PN 25	302	244	6,900
250	PN 10-PN 16	302	244	4,400
	PN 20-PN 25	350	250	10,075
280	PN 10-PN 16	350	250	6,450
	PN 20-PN 25	380	258	12,050
315	PN 10-PN 16	380	265	8,000
	PN 20-PN 25	425	250	14,650

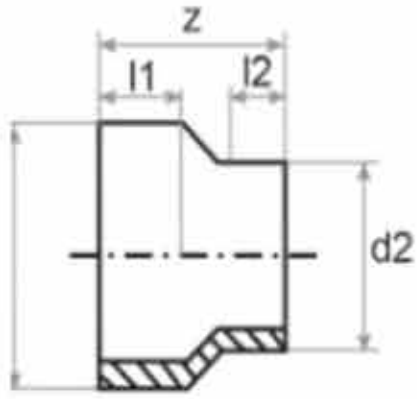
Reducer

FABRICATED CONCENTRIC REDUCER (SHORT FORM)

Dimensions according to DIN 16962/63

d1	d2	z	l1	l2
25	20	50	23	25
32	20	50	22	22
32	25	50	22	24
40	20	50	21	21
40	25	50	21	22
40	32	50	21	24
50	25	50	20	20
50	32	50	20	21
50	40	50	20	24
63	32	60	25	22
63	40	60	25	24
63	50	60	25	27
75	32	70	30	25
75	40	70	30	25
75	50	70	30	28
75	63	70	30	33
90	50	80	35	28
90	63	80	35	32
90	75	80	35	36
110	50	90	35	34
110	63	90	35	35
110	75	90	35	38
110	90	90	35	43
125	63	100	40	38
125	75	100	40	39
125	90	100	40	43
125	110	100	40	51
140	75	110	50	37
140	90	110	50	39
140	110	110	50	45
140	125	110	50	51
160	90	120	55	40
160	110	120	55	44
160	125	120	55	48
160	140	120	55	53
180	90	130	60	44
180	110	130	60	45
180	125	130	60	47
180	140	130	60	50
180	160	130	60	58
200	140	140	60	48
200	160	140	60	54

d1	d2	z	l1	l2
200	180	140	60	63
225	140	160	65	55
225	160	160	65	58
225	180	160	65	65
225	200	160	65	73
250	160	180	75	63
250	180	180	75	66
250	200	180	75	72
250	225	180	75	83
280	180	200	85	70
280	200	200	85	72
280	225	200	85	80
280	250	200	85	90
315	200	230	95	85
315	225	230	95	88
315	250	230	95	95
315	280	230	95	107
355	225	140	57	40
355	250	130	54	40
355	280	120	53	40
355	315	110	53	40
400	225	160	64	40
400	250	150	61	40
400	280	140	60	40
400	315	120	50	40
400	355	110	51	40
450	280	160	65	40
450	315	140	55	40
450	355	130	57	40
450	400	120	60	40
500	315	170	71	40
500	355	150	62	40
500	400	140	65	40
500	450	120	60	40
560	355	180	75	40
560	400	160	68	40
560	450	140	62	40
560	500	130	67	40
630	400	190	78	40
630	450	170	72	40
630	500	150	67	40
630	560	130	64	40



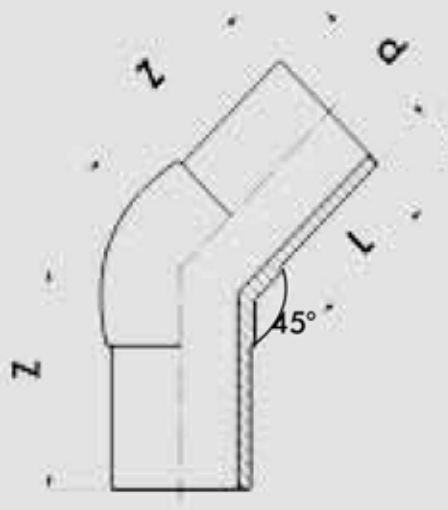
* All dimensions are in (mm)

Elbows 45°

PE 100 SDR 11(PN16) & SDR 17(PN10)

Elbow 45° (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1



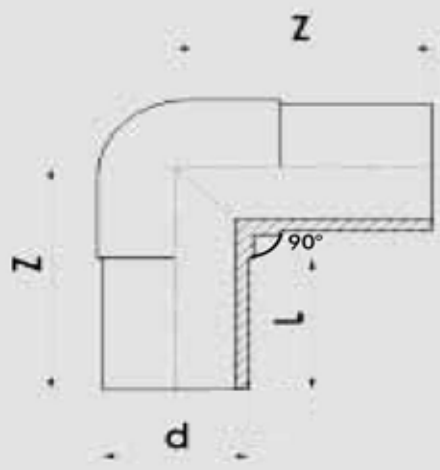
Size (mm)	Pressure (Bar)	(mm)	(mm)	Weight (kg)
d		L	Z	
20	PN 16	36	42	0,015
25	PN 16	40	50	0,025
32	PN 16	55	80	0,046
40	PN 16	55	85	0,080
50	PN 16	60	95	0,124
63	PN 16	65	90	0,210
75	PN 16	70	100	0,310
90	PN 16	80	120	0,540
110	PN 10	85	125	0,625
	PN 16	85	125	0,830
125	PN 16	90	135	1,205
140	PN 16	100	130	1,425
160	PN 10	100	160	1,600
	PN 16	100	160	2,185
180	PN 10	110	165	2,030
	PN 16	110	165	2,970
200	PN 10	115	180	2,915
	PN 16	115	180	3,840
225	PN 10	120	185	3,840
	PN 16	120	185	5,346
250	PN 10	130	210	5,193
	PN 16	130	210	7,120
280	PN 10	135	220	6,926
	PN 16	135	220	9,765
315	PN 10	145	240	9,895
	PN 16	145	240	12,585

Elbows 90°

PE 100 SDR 11(PN16) & SDR 17(PN10)

Elbow 90° (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1



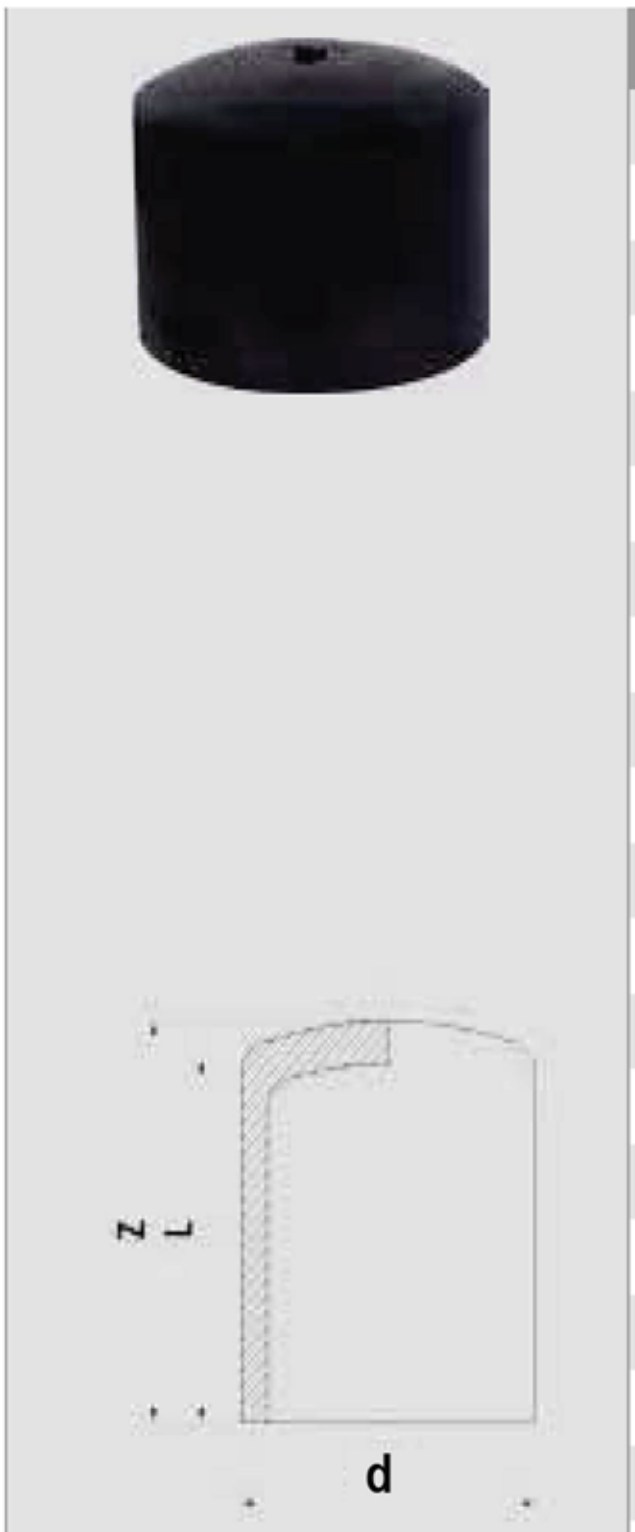
Size (mm)	Pressure (Bar)	(mm)	(mm)	Weight (kg)
d		L	Z	
20	PN 16	50	75	0,023
25	PN 16	50	81	0,032
32	PN 16	54	86	0,048
40	PN 16	57	91	0,084
50	PN 16	60	103	0,150
63	PN 16	63	113	0,240
75	PN 16	70	130	0,375
90	PN 10	82	145	0,470
	PN 16	82	145	0,650
	PN 20	82	145	0,835
110	PN 10	85	160	0,760
	PN 16	85	160	1,027
125	PN 10	90	175	1,130
	PN 16	90	175	1,480
140	PN 10	115	195	1,460
	PN 16	115	195	1,998
160	PN 10	103	200	2,100
	PN 16	103	200	2,755
	PN 25	108	214	4,110
180	PN 10	105	226	3,570
	PN 16	105	226	3,897
200	PN 10	115	245	4,355
	PN 16	115	245	5,325
	PN 25	115	245	7,100
225	PN 10	120	260	4,946
	PN 16	120	260	6,773
	PN 20	120	260	8,000
250	PN 10	130	275	6,770
	PN 16	130	275	9,160
	PN 25	130	275	12,300
280	PN 10	135	300	8,820
	PN 16	135	300	12,318
315	PN 10	150	350	13,415
	PN 16	150	350	18,256
	PN 25	150	350	25,000
355	PN 10	145	345	15,880
	PN 16	145	345	21,711

End Cap

PE 100 SDR 11(PN16) & SDR 17(PN10)

Cap (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1

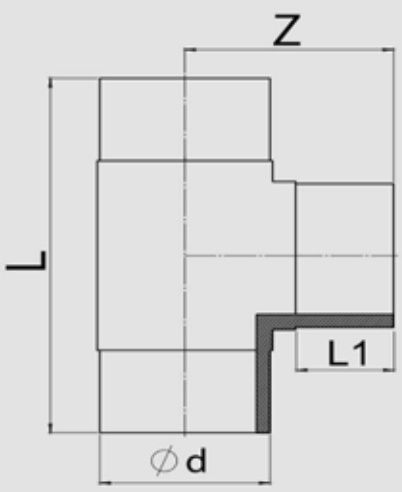


Size (mm)	Pressure (Bar)	(mm)	(mm)	Weight (kg)
d		L	Z	
20	PN 16	40	45	0,008
25	PN 16	45	50	0,010
32	PN 16	50	55	0,016
40	PN 16	50	60	0,025
50	PN 16	60	65	0,045
63	PN 16	65	70	0,075
75	PN 16	70	80	0,132
90	PN 16	75	85	0,200
110	PN 16	85	95	0,332
125	PN 16	90	105	0,500
140	PN 16	90	105	0,630
160	PN 16	100	115	0,838
180	PN 16	105	125	1,222
200	PN 16	110	125	1,609
225	PN 16	120	140	2,157
250	PN 16	125	165	2,874
280	PN 16	132	185	4,056
315	PN 16	145	200	5,750
355	PN 16	150	210	7,156
400	PN 16	145	215	10,032

Equal Tee

PE 100 SDR 11(PN16) & SDR 17(PN10)
Equal TEE 90° (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1



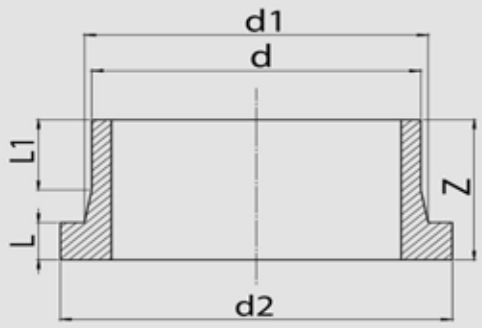
Size (mm)	Pressure(Bar)	(mm)	(mm)	(mm)	Weight (kg)
d		L	L1	Z	
20	PN 16	145	50	75	0,035
25	PN 16	155	50	80	0,048
32	PN 16	170	55	85	0,069
40	PN 16	190	55	100	0,128
50	PN 16	225	65	115	0,218
63	PN 16	225	65	115	0,330
75	PN 16	260	70	130	0,540
90	PN 10	270	80	135	0,585
	PN 16	270	80	135	0,775
110	PN 10	300	80	150	0,911
	PN 16	300	80	150	1,310
125	PN 10	365	95	180	1,522
	PN 16	365	95	180	2,022
140	PN 10	390	100	195	2,080
	PN 16	390	100	195	2,730
160	PN 10	400	100	200	2,700
	PN 16	400	100	200	3,536
180	PN 10	455	105	225	3,967
	PN 16	455	105	225	5,477
200	PN 10	490	115	245	5,365
	PN 16	490	115	245	6,995
	PN 25	490	115	245	9,700
225	PN 10	520	120	253	6,595
	PN 16	520	120	253	8,932
250	PN 10	550	130	275	8,995
	PN 16	550	130	275	11,290
	PN 25	550	130	275	16,000
280	PN 10	590	145	290	11,520
	PN 16	590	145	290	15,005
315	PN 10	670	155	325	17,285
	PN 16	670	155	325	22,400
	PN 25	670	155	325	31,000
355	PN 10	730	155	360	21,807
	PN 16	730	155	360	29,785
400	PN 10	785	155	395	30,550
	PN 16	785	155	395	41,510

Flange Adapter

PE 100 SDR 11(PN16) & SDR 17(PN10)
Flange Adapter - Long Type (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1

Size(mm)	Pressure(Bar)	(mm)	(mm)	(mm)	(mm)	(mm)	Weight (kg)
d		d1	d2	L	L1	Z	
20	PN 16	27	45	7	43	75	0,026
25	PN 16	33	58	8	40	82	0,035
32	PN 16	40	67	9	44	82	0,054
40	PN 16	50	78	9	61	86	0,075
50	PN 16	61	88	13	52	84	0,120
63	PN 16	75	102	15	65	100	0,170
75	PN 16	89	122	17	84	122	0,285
90	PN 10	105	138	15	80	120	0,315
	PN 16	105	138	15	80	120	0,385
	PN 20	105	138	15	80	120	0,450
	PN 25	105	138	15	80	120	0,475
	PN 32	105	138	15	80	120	0,500
110	PN 10	122	158	18	100	140	0,500
	PN 16	122	158	18	100	140	0,600
	PN 20	122	158	18	100	140	0,710
	PN 25	122	160	20	100	145	0,850
	PN 32	122	160	20	100	145	0,950
125	PN 10	132	158	22	100	145	0,650
	PN 16	132	158	22	100	145	0,830
	PN 20	132	158	22	100	145	0,900
	PN 25	132	160	22	100	145	1,050
140	PN 10	155	188	27	95	150	0,880
	PN 16	155	188	27	95	150	1,018
	PN 20	155	188	27	95	150	1,250
	PN 25	155	188	27	95	150	1,400
	PN 32	155	188	27	95	150	1,550
160	PN 10	175	212	25	110	165	1,180
	PN 16	175	212	25	110	165	1,440
	PN 20	175	212	25	110	165	1,900
	PN 25	175	218	30	105	160	2,000
	PN 32	175	218	30	105	160	2,150
180	PN 10	185	212	30	110	170	1,480
	PN 16	185	212	30	110	170	1,742
	PN 20	185	212	30	110	170	1,940
	PN 25	185	218	30	115	165	2,240
	PN 32	185	218	30	115	165	2,700

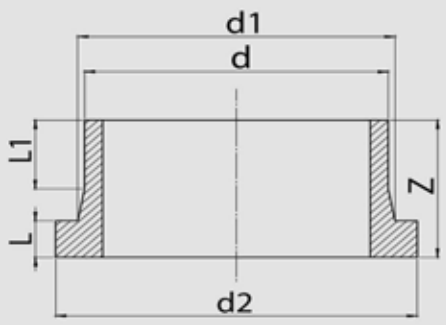


Flange Adapter

PE 100 SDR 11(PN16) & SDR 17(PN10)
Flange Adapter - Long Type (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1

Size(mm)	Pressure(Bar)	(mm)	(mm)	(mm)	(mm)	(mm)	Weight (kg)
d		d1	d2	L	L1	Z	
200	PN 10	232	268	30	125	185	2,347
	PN 16	232	268	30	125	185	2,705
	PN 20	232	268	30	125	185	3,150
	PN 25	232	272	35	125	185	3,600
225	PN 10	235	268	30	110	170	2,342
	PN 16	235	268	30	110	170	2,960
	PN 20	235	268	30	110	170	3,100
	PN 25	235	272	30	115	170	3,600
	PN 32	235	272	30	115	170	4,390
250	PN 10	285	320	30	135	200	3,482
	PN 16	285	320	30	135	200	4,460
	PN 20	285	320	30	135	200	5,230
	PN 25	285	330	30	140	200	5,850
280	PN 10	291	320	35	140	220	4,030
	PN 16	291	320	35	140	220	4,765
	PN 20	291	320	35	140	220	5,850
	PN 25	291	330	40	140	215	6,950
315	PN 10	335	370	35	155	215	5,145
	PN 16	335	370	35	155	215	6,372
	PN 20	335	370	35	155	215	7,440
	PN 25	335	385	35	160	245	11,350
355	PN 10	373	430	35	137	210	6,745
	PN 16	373	430	35	137	210	8,247
	PN 20	373	430	35	137	210	9,540
400	PN 10	427	482	45	140	221	8,747
	PN 16	427	482	45	140	221	11,277
450	PN 10	460	535	45	175	276	12,465
	PN 16	460	535	45	175	276	17,235
500	PN 10	530	585	48	175	279	16,520
	PN 16	530	585	48	175	279	21,370
560	PN 10	615	685	50	205	305	25,350
	PN 16	615	685	50	205	305	30,450
630	PN 10	640	685	55	255	330	29,100
	PN 16	640	685	55	255	330	39,150

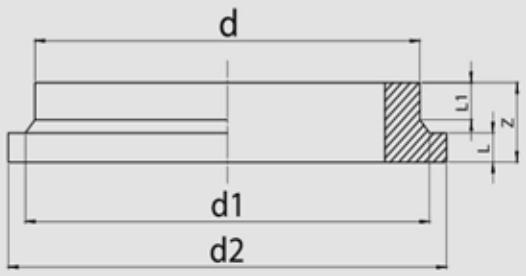


Flange Adapter

PE 100 SDR 11(PN16) & SDR 17(PN10)
Flange Adapter - Long Type (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1

Size(mm)	Pressure(Bar)	(mm)	(mm)	(mm)	(mm)	(mm)	Weight (kg)
d		d1	d2	L	L1	Z	
500	PN 10	530	585	48	105	195	12,150
	PN 16	530	585	48	105	195	15,950
560	PN 6	615	675	50	105	195	13,550
	PN 10	615	685	50	105	195	17,150
	PN 16	615	685	50	105	195	22,400
630	PN 6	640	675	55	75	155	9,950
	PN 10	640	685	55	75	155	14,100
	PN 16	640	685	55	75	155	17,950
710	PN 6	737	785	60	70	150	13,650
	PN 10	737	800	60	70	150	19,000
	PN 16	737	800	60	70	150	25,160
800	PN 6	840	885	55	70	150	17,060
	PN 10	840	905	55	70	150	23,970
	PN 16	840	905	55	70	150	32,110
900	PN 6	944	985	55	60	155	21,600
	PN 10	944	1005	55	60	155	31,510
	PN 16	944	1005	55	60	155	42,080
1000	PN 6	1047	1085	55	70	150	24,660
	PN 10	1047	1115	55	70	150	35,460
	PN 16	1047	1115	55	70	150	45,410
1200	PN 6	1245	1300	60	70	150	35,800
	PN 8	1245	1330	60	70	150	44,900
	PN 10	1245	1330	60	70	150	53,020

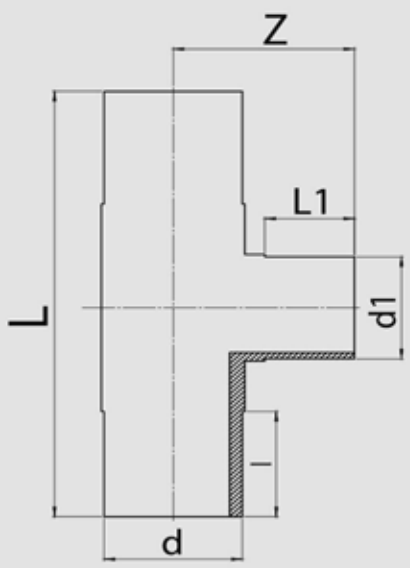


Reduced Tee

PE 100 SDR 11(PN16) & SDR 17(PN10)

Reduced TEE 90° (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1



Size(mm)	Pressure(Bar)	(mm)	(mm)	(mm)	(mm)	Weight (kg)
d-d1		L	L1	Z	l	
32-20	PN 16	165	55	80	55	0,060
32-25	PN 16	165	55	80	55	0,070
40-20	PN 16	190	55	95	55	0,117
40-32	PN 16	190	55	95	55	0,123
50-25	PN 16	205	55	95	65	0,171
50-32	PN 16	205	55	95	65	0,175
63-25	PN 16	200	55	95	65	0,230
63-32	PN 16	200	55	95	65	0,223
63-40	PN 16	200	55	95	65	0,232
63-50	PN 16	200	55	95	65	0,255
75-32	PN 16	260	50	105	70	0,298
75-50	PN 16	260	50	105	70	0,450
75-63	PN 16	260	50	105	70	0,480
90-20	PN 16	270	50	110	80	0,635
90-25	PN 16	270	50	110	80	0,639
90-32	PN 16	270	55	120	80	0,652
90-40	PN 16	270	55	120	80	0,665
90-50	PN 16	295	55	120	80	0,753
90-63	PN 16	270	65	125	80	0,695
90-75	PN 16	295	65	125	80	0,830
110-25	PN 10	250	60	130	80	0,625
	PN 16	250	60	130	80	0,844
110-32	PN 10	250	60	130	80	0,615
	PN 16	250	60	130	80	0,852
110-40	PN 10	250	60	130	80	0,645
	PN 16	250	60	130	80	0,850
110-50	PN 10	250	60	130	80	0,651
	PN 16	250	60	130	80	0,861
110-63	PN 10	250	60	130	80	0,688
	PN 16	250	60	130	80	0,900
110-75	PN 10	315	70	140	80	0,840
	PN 16	315	70	140	80	1,140
110-90	PN 10	315	80	155	85	0,857
	PN 16	315	80	155	85	1,220

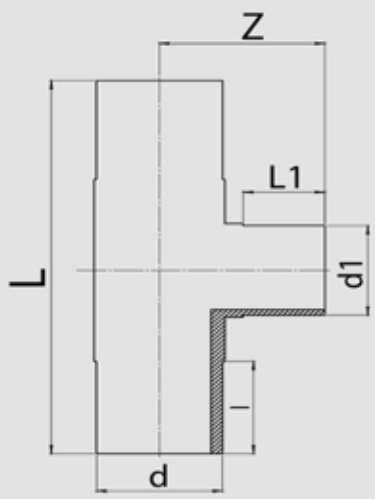
Reduced Tee

PE 100 SDR 11(PN16) & SDR 17(PN10)

Reduced TEE 90° (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1

Size(mm)	Pressure(Bar)	(mm)	(mm)	(mm)	(mm)	Weight (kg)
d-d1		L	L1	Z	I	
125-32	PN 16	360	50	125	95	1,610
125-63	PN 10	360	60	140	95	1,238
	PN 16	360	60	140	95	1,640
125-90	PN 16	360	90	160	95	1,756
125-110	PN 10	360	80	160	95	1,410
	PN 16	360	80	160	95	1,863
140-63	PN 10	395	60	165	100	1,790
	PN 16	395	60	165	100	2,300
140-90	PN 10	395	80	165	100	1,825
	PN 16	395	80	165	100	2,360
140-110	PN 10	395	80	165	100	1,830
	PN 16	395	80	165	100	2,435
160-25	PN 16	320	45	155	100	2,279
160-32	PN 10	320	45	155	100	1,625
	PN 16	320	45	155	100	2,270
160-50	PN 10	320	65	160	100	1,600
	PN 16	320	65	160	100	2,200
160-63	PN 10	320	65	170	100	1,663
	PN 16	320	65	170	100	2,315
160-75	PN 10	320	65	160	100	1,659
	PN 16	320	65	160	100	2,355
160-90	PN 10	320	70	165	100	1,700
	PN 16	320	70	165	100	2,360
160-110	PN 10	320	85	190	100	1,800
	PN 16	320	85	190	100	2,520
160-140	PN 10	320	95	190	100	1,800
	PN 16	320	95	190	100	2,000
180-90	PN 10	455	90	195	105	3,300
	PN 16	455	90	195	105	4,435
180-110	PN 10	455	100	210	105	3,390
	PN 16	455	100	210	105	4,652
180-125	PN 16	455	100	210	105	4,587

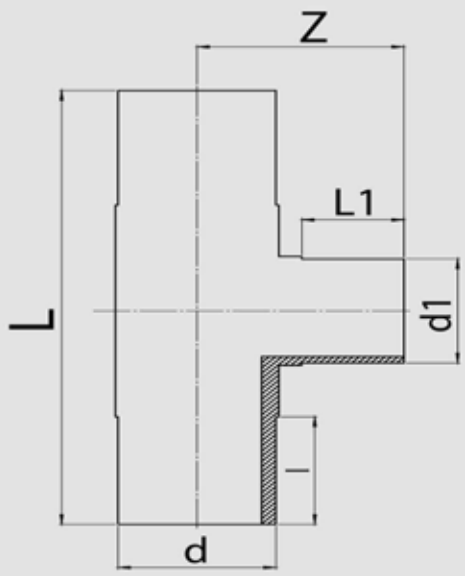


Reduced Tee

PE 100 SDR 11(PN16) & SDR 17(PN10)

Reduced TEE 90° (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1



Size (mm)	Pressure(Bar)	(mm)	(mm)	(mm)	(mm)	Weight (kg)
d-d1		L	L1	Z	l	
200-50	PN 16	420	60	200	110	4,700
200-63	PN 10	420	60	200	110	3,400
	PN 16	420	60	200	110	4,750
200-75	PN 10	420	70	200	110	3,400
	PN 16	420	70	200	110	4,800
200-90	PN 10	420	85	220	110	3,700
	PN 16	420	85	220	110	5,050
200-110	PN 10	420	80	215	110	3,800
	PN 16	420	80	215	110	5,000
200-125	PN 10	420	100	230	110	3,550
	PN 16	420	100	230	110	5,100
200-160	PN 10	420	100	230	110	4,050
	PN 16	420	100	230	110	5,400
200-180	PN 16	420	110	250	110	7,360
225-90	PN 10	425	80	225	115	4,350
	PN 16	425	80	225	115	6,200
225-110	PN 10	425	80	225	115	4,310
	PN 16	425	80	225	115	6,250
225-125	PN 10	425	100	240	115	4,450
	PN 16	425	100	240	115	6,000
225-160	PN 10	425	100	240	115	4,850
	PN 16	425	100	240	115	6,600
250-50	PN 16	455	65	230	130	7,700
250-63	PN 16	455	65	230	130	7,750
250-90	PN 10	455	80	245	130	5,900
	PN 16	455	80	245	130	7,950
250-110	PN 10	455	80	240	130	5,470
	PN 16	455	80	240	130	8,000
	PN 20	455	80	240	130	11,000
250-125	PN 10	455	95	260	130	5,800
	PN 16	455	95	260	130	8,250
250-140	PN 10	455	95	240	130	5,530
250-160	PN 10	455	100	250	130	6,150
	PN 16	455	100	250	130	8,200
	PN 25	555	100	250	130	13,750
250-200	PN 10	555	110	255	130	8,310
	PN 16	555	110	255	130	10,440
	PN 25	555	110	255	130	14,700

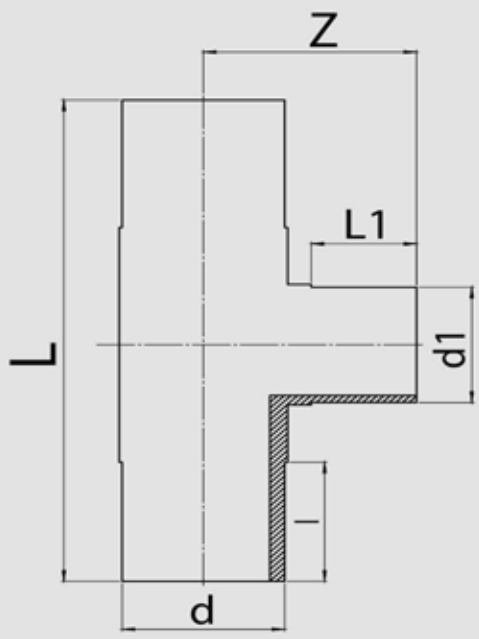
Reduced Tee

PE 100 SDR 11(PN16) & SDR 17(PN10)

Reduced TEE 90° (Injection)

Standart: TS EN 1555-3:2010 + A1 • TS EN 12201-3 + A1

Size (mm)	Pressure(Bar)	(mm)	(mm)	(mm)	(mm)	Weight (kg)
d-d1		L	L1	Z	I	
280-110	PN 10	460	85	250	150	8,080
	PN 16	460	85	250	150	10,865
	PN 20	460	85	250	150	11,650
280-160	PN 10	460	90	260	150	10,060
	PN 16	460	90	260	150	11,135
	PN 20	460	90	260	150	12,600
280-200	PN 10	590	115	275	135	10,180
	PN 16	590	115	275	135	13,580
315-90	PN 10	510	80	265	140	9,760
	PN 16	510	80	265	140	13,900
315-110	PN 10	510	80	265	140	10,345
	PN 16	510	80	265	140	13,907
315-140	PN 10	510	95	285	140	10,200
315-160	PN 10	510	100	290	140	10,150
	PN 16	510	100	290	140	14,650
	PN 20	510	100	290	140	17,000
315-200	PN 10	510	120	305	140	10,600
	PN 16	510	120	305	140	14,750
315-225	PN 10	670	110	315	145	14,600
315-250	PN 10	665	125	315	145	15,485
	PN 16	665	125	315	145	20,070
355-110	PN 10	430	85	290	130	10,900
	PN 16	430	85	290	130	14,840
355-160	PN 10	430	100	300	130	11,330
	PN 16	430	100	300	130	15,497
355-250	PN 10	580	150	325	120	15,500
	PN 16	580	150	325	120	21,600
400-110	PN 10	485	85	315	155	16,325
	PN 16	485	85	315	155	21,787
400-160	PN 10	485	100	330	145	16,530
	PN 16	485	100	330	145	22,825
400-250	PN 10	630	150	350	160	20,500
	PN 16	630	150	350	160	28,700
400-315	PN 10	790	135	370	180	28,585
	PN 16	790	135	370	180	38,000



32-1200 EF
EF SADDLES

أرامكو
للصناعات البلاستيكية

FABRICATED FITTINGS

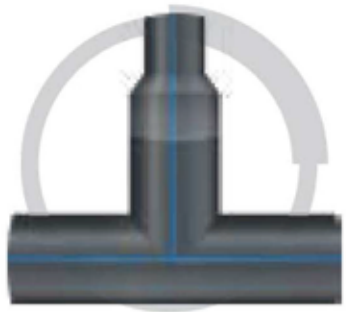
- 110-1200 MM
- WELDING PROCEDURES

The Convenient Piping Solutions

HDPE FITTINGS

WELDING FITTINGS:

Butt welding method used to join two lengths of PE pipes together or join PE pipe with PE fitting
This method conform to DVS 2207-1
Polyethylene (PE) pipes for the production of butt fusion joints in accordance with this method shall conform to ISO 4437, ISO4427-2 , DIN8074/8075 or equivalent standards.



Segmented Reduced Tee 90°
From 110mm - 630mm

Segmented Tee 90°
From 90mm - 630mm

Segmented Cross
From 110mm - 630mm

Segmented Tee 90°
From 110mm - 120mm

Segmented Tee 60°
From 110mm - 1200mm

Segmented Tee 45°
From 110mm - 1200mm

Segmented Tee 30°
From 110mm - 1200mm

BUTT FUSION

SEGMENTED ELBOW 90° / 60° / 45° / 30°

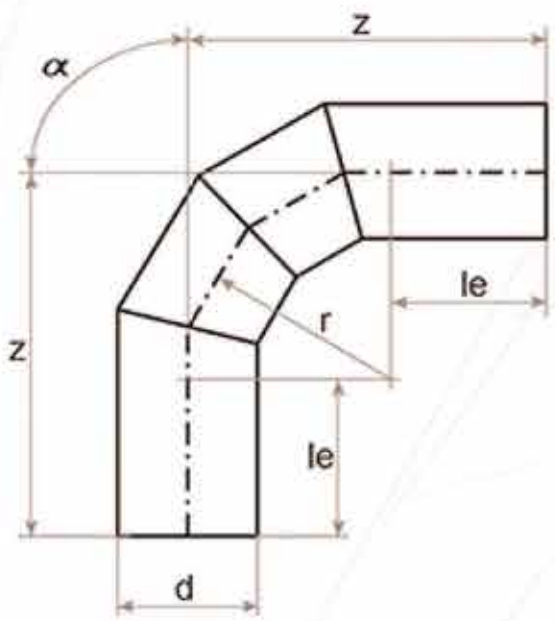
Dimensions according to DIN 16963-1

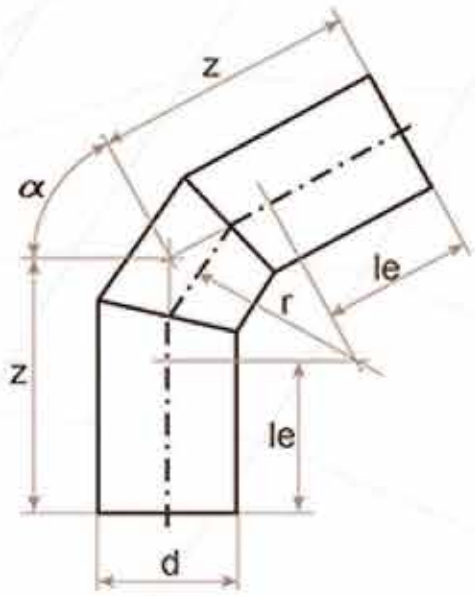
d	le	r	α ±2°			
			90°	60°	45°	30°
			z	z	z	z
110	150	165	315	245	218	194
125		188	338	258	228	200
140		210	360	271	237	206
160		240	390	288	249	214
180		270	420	305	262	222
200		300	450	323	274	230
225		338	488	345	290	241
250	250	375	625	466	412	350
280		420	670	492	424	362
315	300	473	773	576	498	428
355		533	833	608	520	443
400		600	900	646	548	461
450		675	975	689	580	481
500	350	750	1100	783	665	551
560		840	1190	835	698	575
630		945	1295	896	741	603
710		1065	1415	965	792	636
800		1200	1550	1043	847	672

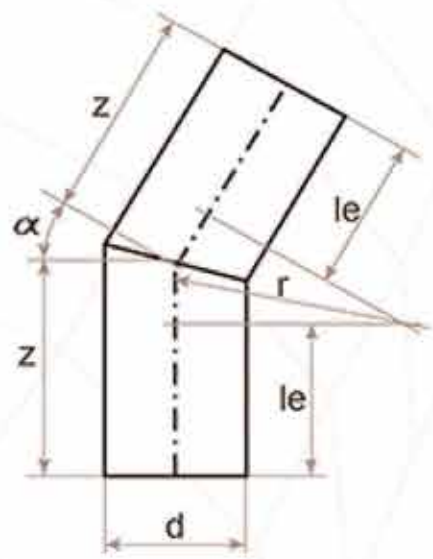
* All SDR available

* Elbows 22.5° & 11.25° are available upon request

* All dimensions are in (mm)







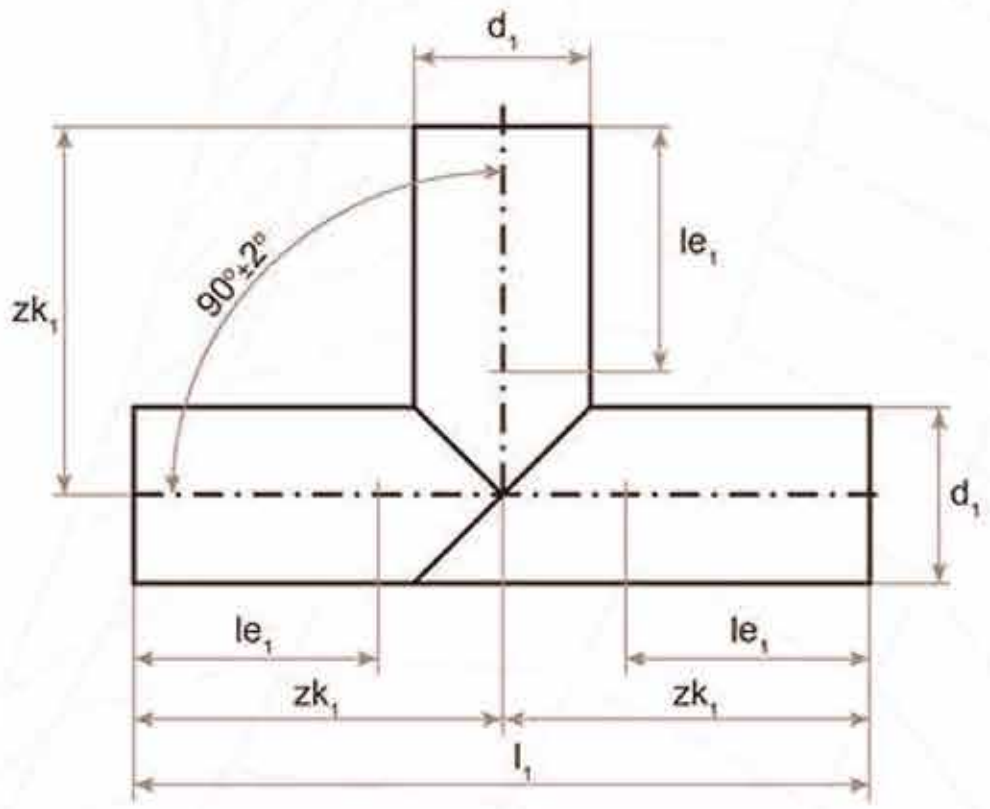
Fabricated

SEGMENTED TEE 90°

Dimensions according to DIN 16963/2

d_1	le_1	l_1	zk_1
110	150	410	205
125		430	215
140		440	220
160		460	230
180		480	240
200		500	250
225		530	265
250	250	750	375
280		780	390
315	300	920	460
355		960	480
400		1000	500
450		1050	525
500	350	1200	600
560		1260	630
630		1330	665
710		1410	705
800		1500	750

* All SDR available



* All dimensions are in (mm)

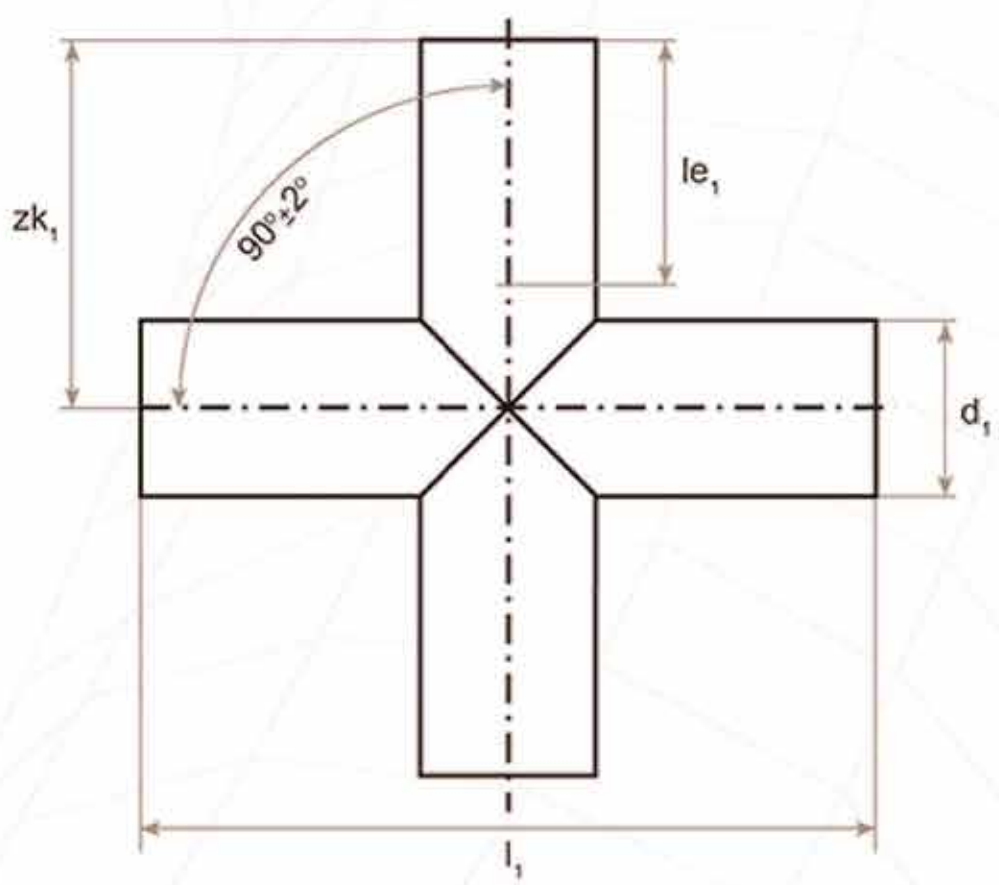
SEGMENTED CROSS

Dimensions according to DIN 16963/2

d_1	le_1	l_1	zk_1
110	150	410	205
125		430	215
140		440	220
160		460	230
180		480	240
200		500	250
225		530	265
250	250	750	375
280		780	390
315	300	920	460
355		960	480
400		1000	500
450		1050	525
500	350	1200	600
560		1260	630
630		1330	665
710		1410	705
800		1500	750

* All dimensions are in (mm)

* All SDR available



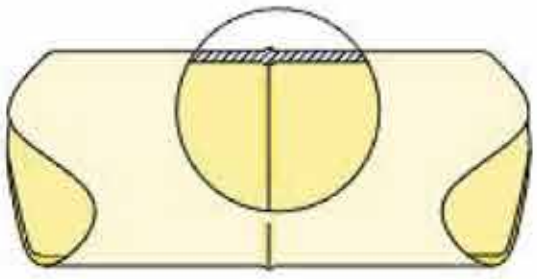
HDPE FABRICATED FITTINGS

The Convenient Piping Solutions

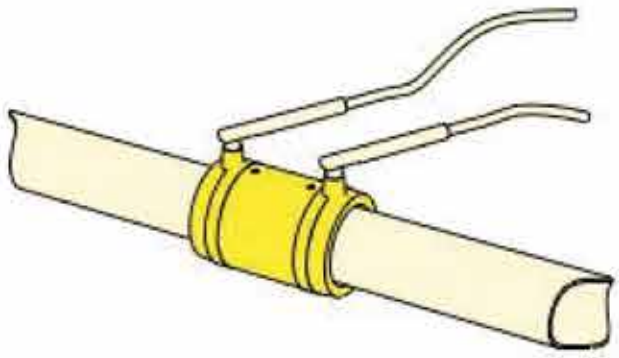
JOINTING :

One of the greatest features of HDPE pipes is the fact that a wide variety of jointing systems is available to suit a whole range of applications. The jointing systems can be divided into permanent jointing and detachable jointing. The schematic below illustrates the available systems.

PERMANENT JOINTING :



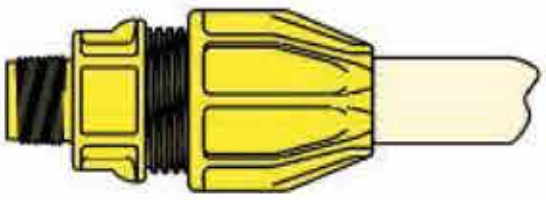
- Buttwelding -



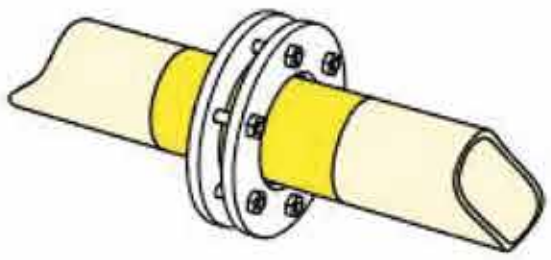
- Electro-fusion -

"Both buttwelding and elec tro-fusion systems allow transition to detachable joints".

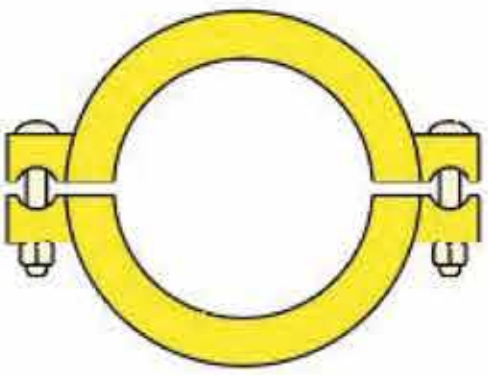
NON-PERMANENT (DETACHABLE) JOINTING :



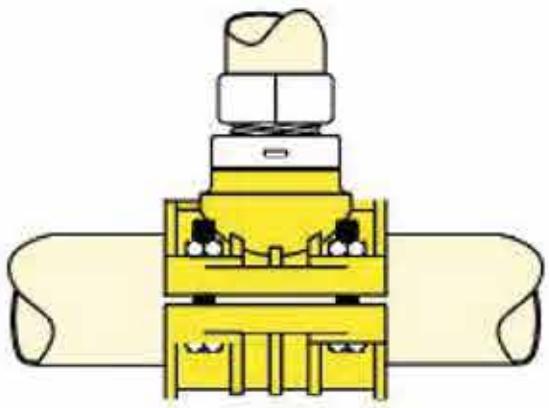
- Compression Fittings* -



- Flanging -



- Tak System -



- Magnum Saddles and Holderbats** -

* : " Refer to our Marley Astore Compression Fittings document for full details on these products."
** : " Refer to our Magnum saddles and Holderbats document for full details on these products. "

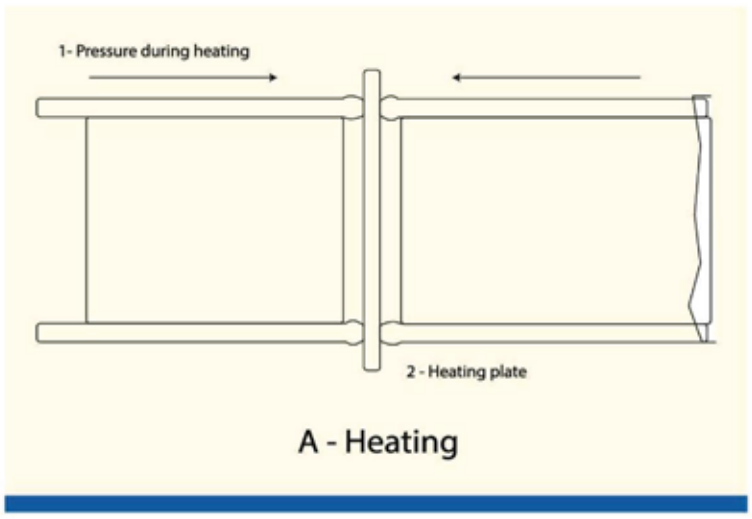
BUTT WELDING :

BUTT FUSION WELDING :

Butt welding method used to join two lengths of PE pipes together or join PE pipe with PE fitting
This method conform to DVS 2207-1
Polyethylene (PE) pipes for the production of butt fusion joints in accordance with this method shall conform to ISO 4437, ISO4427-2 , DIN8074/8075 or equivalent standards.

BUTT FUSION PRINCIPLE :

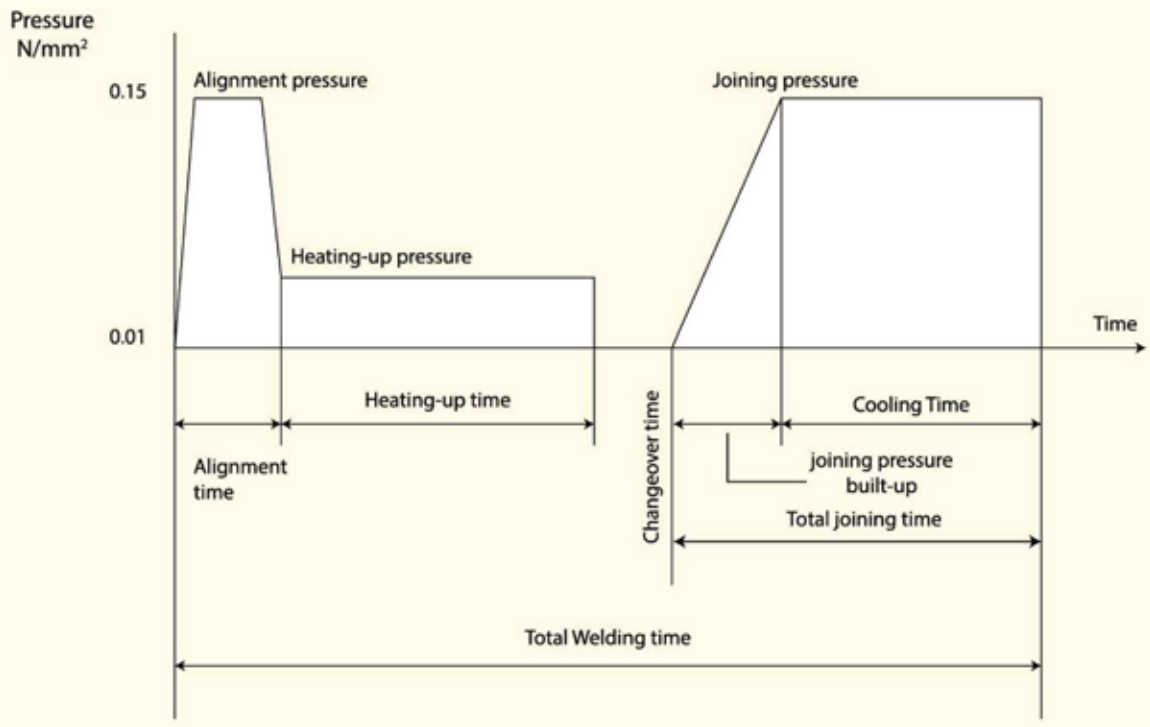
The principle of butt fusion jointing is to heat two pipes or fitting ends by means of a heater plate to a designated temperature, then fuse them together by applying pressure and cool them under pressure for a designated time. Butt fusion joints shall be made by qualified operators using butt fusion jointing machines that secures and precisely align the pipe ends.



Butt Fusion Principles

BUTT FUSION WELDING MACHINE:

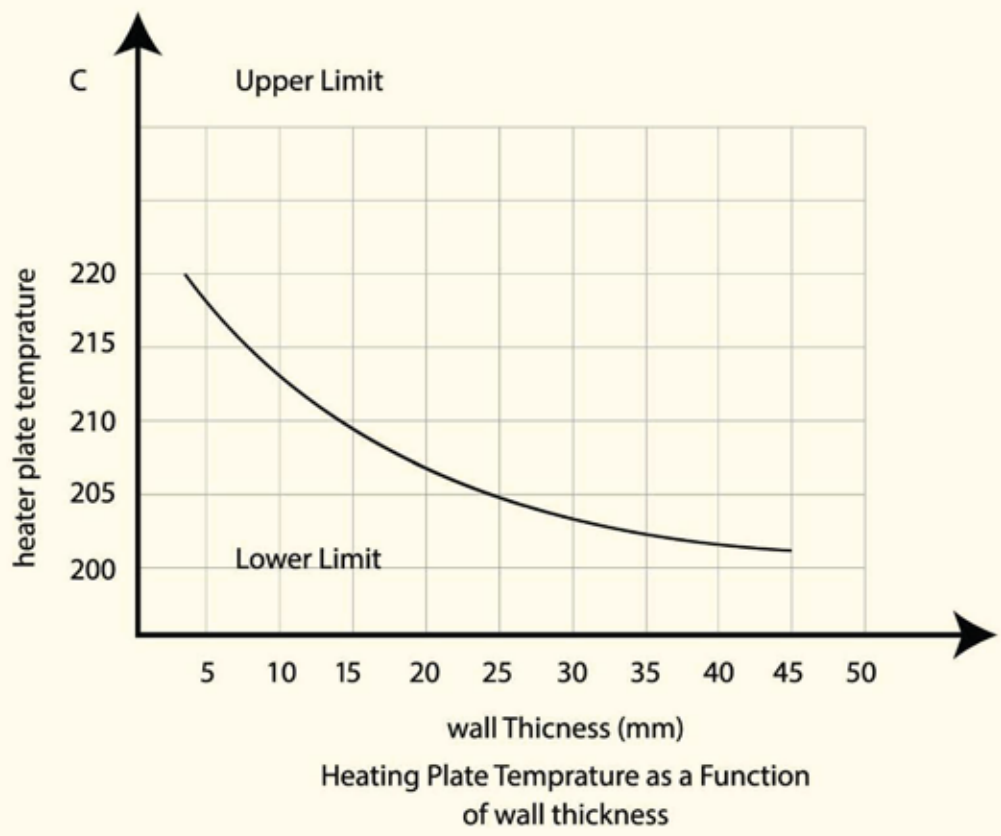
The following conditions should be achieved in a butt welding machine. Aligning the pipe ends. Clamping the pipes. Facing the pipe ends parallel and square to the centerline. Heating the pipe ends. Applying the proper fusion force. Conforming to ISO12176-1, DVS2208-1



Butt Fusion Cycle

BUTT FUSION TEMPERATURE:

The butt fusion temperature is normally situated between 200 c and 220 c



Heating Plate Temprature as a Function of wall thickness

Notes :

Plastic Industries

المصنع : العاشر من رمضان - قطعه رقم ٣ مجمع الصناعات C2

موبايل : 0100 883 1346

تليفاكس : 0554 353 457

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